

## Refine Search

### Search Results -

Terms	Documents
L1 and (digital\$ with signature)	2

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L21

Refine Search

Recall Text

Clear

Interrupt

### Search History

 DATE: Saturday, August 21, 2004    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L21</u>	L1 and (digital\$ with signature)	2	<u>L21</u>
<u>L20</u>	L18 and signature	6	<u>L20</u>
<u>L19</u>	L18 and (signature with catalog\$)	0	<u>L19</u>
<u>L18</u>	L17 and (digital\$ with signature)	6	<u>L18</u>
<u>L17</u>	(header and body and footer) and ( catalog\$) and @ad<=19990709	24	<u>L17</u>
<u>L16</u>	(header and body and footer) and (electronic\$ with catalog\$) and @ad<=19990709	0	<u>L16</u>
<u>L15</u>	L1 and catalog\$	3	<u>L15</u>
<u>L14</u>	L3 and (signature with catalog\$)	1	<u>L14</u>
<u>L13</u>	L3 and (digital\$ with signature with catalog\$)	0	<u>L13</u>
<u>L12</u>	L5 and (digital\$ with signature with catalog\$)	0	<u>L12</u>
<u>L11</u>	L9 and foot\$	1	<u>L11</u>
<u>L10</u>	L9 and footer	0	<u>L10</u>

<u>L9</u>	L8 and body	7	<u>L9</u>
<u>L8</u>	L7 and header and authentic\$	7	<u>L8</u>
<u>L7</u>	L6 not l1	15	<u>L7</u>
<u>L6</u>	L5 and (digital\$ with signature)	15	<u>L6</u>
<u>L5</u>	L4 and @ad<=19990709	129	<u>L5</u>
<u>L4</u>	L3 and (electronic\$ with catalog\$)	164	<u>L4</u>
<u>L3</u>	705/26,27,14,15,22,28,20.ccls.	2238	<u>L3</u>
<u>L2</u>	L1 and (electronic\$ with catalog\$)	1	<u>L2</u>
<u>L1</u>	6038601.pn. or 6490367.pn. or 5950173.pn.	3	<u>L1</u>

END OF SEARCH HISTORY

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Your SELECT statement is:

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DATABASE)

Items File

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1 47: Gale Group Magazine DB(TM)\_1959-2004/Aug 23

Examined 50 files

Examined 100 files

1 484: Periodical Abs Plustext\_1986-2004/Aug W2

Examined 150 files

Examined 200 files

Examined 250 files

Examined 300 files

Examined 350 files

2 files have one or more items; file list includes 372 files.

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# Refine Search

## Search Results -

Terms	Documents
((verif\$ with catalog\$) and (digital\$ with signature)) and @pd<=19990709	0

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L4

Refine Search

Recall Text

Clear

Interrupt

## Search History

DATE: Saturday, August 21, 2004 [Printable Copy](#) [Create Case](#)

Set Name	Query	Hit Count	Set Name result set
<i>DB=EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
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<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L3</u>	L2 not l1	7	<u>L3</u>
<u>L2</u>	((verif\$ with catalog\$) and (digital\$ with signature)) and @ad<=19990709	12	<u>L2</u>
<u>L1</u>	((verif\$ with catalog\$) same (digital\$ with signature)) and @ad<=19990709	5	<u>L1</u>

END OF SEARCH HISTORY

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L3: Entry 6 of 7

File: USPT

Mar 14, 2000

US-PAT-NO: 6038601

DOCUMENT-IDENTIFIER: US 6038601 A

TITLE: Method and apparatus for storing and delivering documents on the internet

DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lambert; Mark L.	Atherton	CA		
van der Rijn; Daniel J. G.	San Carlos	CA		
Kemper; David J.	San Mateo	CA		
Verkler; Jay L.	Menlo Park	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Tibco, Inc.	Palo Alto	CA			02

APPL-NO: 08/ 897786 [\[PALM\]](#)

DATE FILED: July 21, 1997

INT-CL: [07] [H04 J 3/17](#)

US-CL-ISSUED: 709/226; 370/468, 709/240

US-CL-CURRENT: [709/226](#); [370/468](#), [709/240](#)

FIELD-OF-SEARCH: 395/200.33, 395/200.43, 395/200.46-200.49, 395/200.54, 395/200.56, 395/200.57, 370/234, 370/468, 370/444, 370/462, 709/232, 709/226, 709/224, 709/240

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<a href="#">3848193</a>	November 1974	Martin et al.	325/53
<input type="checkbox"/>	<a href="#">4287592</a>	September 1981	Paulish et al.	370/88
<input type="checkbox"/>	<a href="#">4429385</a>	January 1984	Cichelli et al.	370/92
<input type="checkbox"/>	<a href="#">4815030</a>	March 1989	Cross et al.	364/900
<input type="checkbox"/>	<a href="#">4868866</a>	September 1989	Williams, Jr.	380/49
	<a href="#">4974149</a>	November 1990	Valenti	364/200

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<input type="checkbox"/>	<u>5105184</u>	April 1992	Pirani et al.	340/721
<input type="checkbox"/>	<u>5220657</u>	June 1993	Bly et al.	395/425
<input type="checkbox"/>	<u>5230048</u>	July 1993	Moy	395/600
<input type="checkbox"/>	<u>5339239</u>	August 1994	Manabe et al.	364/401
<input type="checkbox"/>	<u>5347632</u>	September 1994	Filepp et al.	395/200
<input type="checkbox"/>	<u>5515098</u>	May 1996	Carles	348/8
<input type="checkbox"/>	<u>5557608</u>	September 1996	Calvignac et al.	370/462 X
<input type="checkbox"/>	<u>5577266</u>	November 1996	Takahisa et al.	455/66
<input type="checkbox"/>	<u>5579537</u>	November 1996	Takahisa	455/66
<input type="checkbox"/>	<u>5617565</u>	April 1997	Augenbraun et al.	395/604
<input type="checkbox"/>	<u>5675510</u>	October 1997	Coffey et al.	395/200.54
<input type="checkbox"/>	<u>5687167</u>	November 1997	Bertin et al.	370/444 X
<input type="checkbox"/>	<u>5734909</u>	March 1998	Bennett	395/200.59
<input type="checkbox"/>	<u>5742772</u>	April 1998	Sreenan	395/200.56
<input type="checkbox"/>	<u>5751956</u>	May 1998	Kirsch	395/200.33
<input type="checkbox"/>	<u>5754774</u>	May 1998	Bittinger et al.	395/200.33
<input type="checkbox"/>	<u>5764908</u>	June 1998	Shoji et al.	395/200.47
<input type="checkbox"/>	<u>5799002</u>	August 1998	Krishman	370/234

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FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
9309631	November 1991	WO	

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ART-UNIT: 278

PRIMARY-EXAMINER: Maung; Zarni

ASSISTANT-EXAMINER: Winder; Patrice L.

ATTY-AGENT-FIRM: Blakley, Sokoloff, Taylor & Zafman LLP

#### ABSTRACT:

An improved method and apparatus is used for storing and delivering information over the Internet and using Internet technologies. According to one embodiment of the present invention, a method and apparatus for maintaining statistics on a server is disclosed. According to an alternative embodiment, a method and apparatus is disclosed for predicting data that a client device may request from a server on a network. In another embodiment of the present invention, a method and apparatus is disclosed for managing bandwidth between a client device and a network. According to yet another embodiment, a method and apparatus is disclosed for validating a collection of data. According to yet another embodiment, a method for providing notification to clients from servers is disclosed.

5 Claims, 10 Drawing figures

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L3: Entry 6 of 7

File: USPT

Mar 14, 2000

DOCUMENT-IDENTIFIER: US 6038601 A

TITLE: Method and apparatus for storing and delivering documents on the internet

Application Filing Date (1):

19970721

Detailed Description Text (59):

The TOC catalog also contains access control and authentication information. The authentication data enables the back-end server to verify the identity of administrators wishing to manage the TOCs ~~in the catalog~~. The back-end server uses the access control information to restrict particular administration functions to various groups of people.

Detailed Description Text (106):

This configuration mechanism is simple and powerful. It allows intranet administrators to configure their clients without any installation-time work by the user. Because the configuration data is received in the form of a subscription notification, clients will receive any configuration changes as soon as they are made. If multicast notification is used, only one copy of the new configuration is sent to all clients. The mechanism is reasonably secure because the configuration host name is well-known within the client's local internet domain, and the client initiates contact with the configuration publisher. Additional security can be implemented with Secure HTTP and digital signatures to authenticate the publishing host.

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L3: Entry 3 of 7

File: USPT

Dec 3, 2002

US-PAT-NO: 6490367

DOCUMENT-IDENTIFIER: US 6490367 B1

TITLE: Arrangement and method for a system for administering certificates

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Carlsson; Jan	Uppsala			SE
Hoglund; Per	Uppsala			SE
Skagerberg; Jesper	Uppsala			SE

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Telia AB	Earsta			SE	03

APPL-NO: 08/ 693253 [\[PALM\]](#)

DATE FILED: October 4, 1996

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
SE	9400534	February 17, 1994

PCT-DATA:

APPL-NO	DATE-FILED	PUB-NO	PUB-DATE	371-DATE	102(E)-DATE
PCT/SE95/00128	February 9, 1995	WO95/22810	Aug 24, 1995	Oct 4, 1996	Oct 4, 1996

INT-CL: [07] [H04](#) [Q](#) [1/00](#)

US-CL-ISSUED: 382/137; 382/115, 382/116, 382/118, 382/119, 340/825.34

US-CL-CURRENT: [382/137](#); [382/115](#), [382/116](#), [382/118](#), [382/119](#)

FIELD-OF-SEARCH: 382/115, 382/116, 382/118, 382/119, 340/825.34

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <a href="#">5608387</a>	March 1997	Davies	382/118

OTHER PUBLICATIONS

International Journal of Bio-Medical Computing, vol. 35, pp. 147-151, Feb. 1994, Gunnar O. Klein, "Smart Cards-A Security Tool For Health Information Systems".  
Advances In Cryptology-AUSCRYPT '90, International Conference on Cryptology, pp. 46-57, Jan. 8-11, 1990, P.J. Lee, "Secure User Access Control for Public networks".

Utlandsrapport Fran Sveriges Tekniska Attacheer, pp. 54-62, Lena Sandh, "NYA Franska Kort Tillaempningar AV IC-KORT".

ART-UNIT: 2153

PRIMARY-EXAMINER: Johns; Andrew W.

ASSISTANT-EXAMINER: Le; Hiev C.

ATTY-AGENT-FIRM: Oblon, Spivak, McClelland, Maier & Neustadt, P.C.

ABSTRACT:

A system for administering certificates involves the generation, distribution and recall of certificates for public key systems. The generation comprises generating encryption keys and personalizing smart cards. The system is designed as a distributed system and is divided into a central unit with one or more associated terminal units. Each terminal and center is allocated unique certified identities. Mutual checking of access rights and data contents is carried out between the central unit and each terminal unit. An issued certificate can be traced back to the individual responsible for the issuing, compatibility with standards being seen to exist. Personalization of cards is integrated in each terminal.

20 Claims, 11 Drawing figures

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L3: Entry 3 of 7

File: USPT

Dec 3, 2002

DOCUMENT-IDENTIFIER: US 6490367 B1

TITLE: Arrangement and method for a system for administering certificates

Application Filing Date (1):

19961004

Brief Summary Text (5):

A method which establishes more secure identification is that of digital signatures, which method can be applied in all the areas where an identification of the source of an operation or a document needs to be verified. This method simulates the normal manner of identification which is used for transactions outside the electronics field. The method using digital signatures is based on the party who is to be identified signing for the transaction (compare ordinary signature on, for example, a contract) and the identity being checked against a comparison original which has the same role as an ID card has for ordinary signatures. For this method to be able to function in an electronics context, an infrastructure needs to be available in order to be able to create electronic identity documents.

Brief Summary Text (23):

1. A pair of cipher keys unique to the CA, one public and one private, the private one being used for the digital signature which guarantees the identity of the issuer and that the contents of the certificate are not manipulated. The private key must be stored in such a way that unauthorized access is not possible in practice.

Detailed Description Text (23):

Communication with CA terminals. The CA centre communicates with several different CA terminals. Since it will be possible for this to take place on completely unprotected lines, the CA centre itself must secure the communication. This is done by means of full authentication, sequence numbers and digital signatures. If the private key is generated in the CA centre, it is necessary to encrypt the communication.

Detailed Description Text (34):

Communication with the CA centre. The CA terminal will communicate with the CA centre. Since it will be possible for this to take place on completely unprotected lines, the CA terminal must itself secure the communication. This is done by means of full authentication, sequence numbers and digital signatures. If the private key is generated in the CA centre, it is necessary to encrypt the communication.

Detailed Description Text (117):

FIG. 1 1 CERTIFICATE 2 Uppsala County Administration 3 valid from 4 valid to 5 Lena Andersson's public key 6 Digital signature generated by issuer 7 Plastic covering, appearance =recognition

CLAIMS:

1. A method of issuing certificates having a unique digital signature identifying a certification authority responsible for the issuing, comprising: providing a

distributed system divided into a central unit and one or more associated terminal unit; providing each associated terminal unit and the central unit with unique identities; processing certificates as authorized by a certification authority at one of the associated terminal units or the central unit by mutual checking of access rights and data contents between the central unit and each associated terminal unit; and issuing each certificate so that it has encoded therein access authority for the certificate user designated along with a unique digital signature identifying the certification authority responsible for issuing the certificate.

4. The system according to claim 2, wherein the certification authority publishes revocation lists terminating previously issued certificates and wherein the certification authority is made up of different certificate issuers, each certificate issuer having a unique digital signature and being certified by a higher ranking authority and each certificate issuer being able to certify other lower ranking certificate issuers.

11. The system according to claim 2, wherein the central unit includes the certification authority provided as one or more certification authority administrator terminals having private keys providing a system-unique certification authority administrator terminal identity as the unique digital signature.

12. The system according to claim 2, wherein each associated terminal unit includes a certification authority administrator acting as the certification authority with a system-unique identity functioning as the unique digital signature.

13. The system according to claim 2, further including an internal catalogue configured to store system-internal certificate information relative to certification authority administrators acting as the certification authority issuing certificates at the request of one or more organization units, where each certification authority administrator has a unique identity and this is stored in each certificate which is created by the certification authority administrator as the unique digital signature.

16. The system according to claim 2, wherein each associated terminal unit includes means for authenticating a certification authority administrator as the certification authority, means for handling input data, means for checking the plausibility of the input data, means for creating part of the certificate contents, means for authenticating the central unit, means for communicating with the central unit, means for verifying certificates, means for checking the certificate contents, means for personalizing the certificates for individual users, means for updating external catalogues, means for creating revocation messages to terminate issued certificates, means for handling revocation confirmations, means for opening any blocked certificate, and means for updating certificates.

19. The system according to claim 3, wherein the certificate authority publishes revocation lists terminating previously issued certificates and wherein the certificate authority is made up of different certificate issuers, each certificate issuer having a different unique digital signature and being certified by a higher ranking authority and each certificate issuer being able to certify other lower ranking certificate issuers.

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